

PCT #3

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PATENT



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William R. Allen
William R. Allen, Ph.D., Reg. No. 48,389

17 April 2002
Date

Applicants: James Scott Tyler
Serial No: 10/030,723
Filed: January 11, 2002
Group Art Unit: Unknown
Examiner: Unknown
Title: HIGH SPEED SYMMETRICAL PLASMA TREATMENT
Atty Docket: NOR-933A

Cincinnati, Ohio 45202

April 17, 2002

Assistant Commissioner for Patents
Washington, DC 20231

INFORMATION DISCLOSURE STATEMENT

In accordance with the duty of candor and good faith imposed by 37 C.F.R. §1.56, and means of complying therewith according to 37 C.F.R. §§1.97 and 1.98, the references listed on the attached Form PTO-1449 are called to the attention of the United States Patent and Trademark Office in connection with the above-identified patent application. Copies of the cited references are enclosed herewith and Applicant requests that the Examiner

consider the cited references and make an independent evaluation of their materiality.

It is submitted that none of the cited references of record or now cited, either alone or in combination, disclose or render obvious the subject matter claimed in the present application.

Applicant does not believe that any fees are due in connection with this response. However, if such petition is due or any fees are necessary, the Commissioner may consider this to be a request for such and charge any necessary fees to deposit account 23-3000.

Respectfully submitted,

WOOD, HERRON & EVANS, L.L.P.

BY William R. Allen
William R. Allen, Ph.D.
Reg. No. 48,389

2700 Carew Tower
Cincinnati, OH 45202
(513) 241-2324

SUBSTITUTE FORM PTO-1449
(MODIFIED)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
NOR/933ASERIAL NO.
10/030,723INFORMATION DISCLOSURE
STATEMENT BY APPLICANTAPPLICANT
James Scott Tyler

(37 CFR 1.98(b))

Use several sheets if necessary)

FILING DATE
January 11, 2002

GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A.A	3	2	9	4	6	7	0	12/27/66	Charschan et al.	204	298	10/7/63
	A.B	3	6	4	1	9	7	3	2/15/72	Shrader	118	49	11/25/70
	A.C	4	2	0	8	1	5	9	6/17/80	Uehara et al.	414	225	
	A.D	4	2	5	2	5	9	5	2.24.81	Yamamoto et al.	156	345	
	A.E	4	2	7	8	5	2	8	7.14.81	Kuehnle et al.	204	298	10/9/79
	A.F	4	3	1	8	7	6	7	3/9/82	Hijkata et al.	156	345	
	A.G	4	3	3	6	4	3	8	6/22/82	Uehara et al.	219	121PG	9/16/80
	A.H	4	4	0	5	4	3	5	9/20/83	Tateishi et al.	204	298	
	A.I	4	4	1	8	6	3	9	12/6/83	Wills et al.	118	50	5/19/81
	A.J	4	5	5	0	2	4	2	10/1985	Uehara et al.	156	345	
	A.K	4	5	5	0	2	3	9	10/29/85	Uehara et al.	219	121PG	9/27/82

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
	A.L	DE 3935002	4/1991	Germany			Abstract Only
	A.M	2828066	9/1998	Japan			Abstract Only
	A.N	59-164696	9/1984	Japan			Abstract Only
	A.O	04-123430	4/1992	Japan			Abstract Only
	A.P	03-023137	1/1991	Japan			Abstract Only
	A.Q	04-311044	11/1992	Japan			Abstract Only

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	A.R	Panasonic Factory Automation Company, <u>Plasma Cleaning Systems</u> , Brochure, 11/2000
	A.S	Panasonic Factory Automation Company, Japanese Brochure, 11/2000
	A.T	March Instruments, Inc., <u>In-Line Plasma System</u> , Brochure, 8/1995

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance and not considered. Include a copy of this form with next communication to applicant.

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. NOR/933A		SERIAL NO. 10/030,723							
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR 1.98(b))				APPLICANT James Scott Tyler									
				FILING DATE January 11, 2002		GROUP							
U.S. PATENT DOCUMENTS													
EXAMINER INITIAL		PATENT NUMBER			ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE				
	B.A	4	5	7	5	2	9	9	3/1986	Layton	414	222	
	B.B	4	5	8	4	0	4	5	4/1986	Richards	156	345	
	B.C	4	6	3	7	8	5	3	1/20/87	Bumble et al.	156	345	
	B.D	4	7	0	5	4	4	4	11/1987	Tullis et al.	118	729X	
	B.E	4	7	7	0	1	2	1	9/13/88	Ebata et al.	118	686	2/3/87
	B.F	4	8	1	6	6	3	8	3/28/89	Ukai et al.	219	121.43	10/20/87
	B.G	4	8	1	6	1	1	6	3/1989	Davis	156	643	
	B.H	4	8	4	0	7	0	2	6/20/89	Schumacher, III	156	643	12/29/87
	B.I	4	8	8	9	6	0	9	12/26/89	Canella	204	298	
	B.J	5	0	3	0	0	5	6	7/9/91	Kitayama et al.	414	749	7/23/90
	B.K	5	0	4	4	8	7	1	9/1991	Davis et al.	414	786	
FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS													
		DOCUMENT NUMBER			PUBLICATION DATE		COUNTRY OR PATENT OFFICE		CLASS	SUBCLASS	TRANSLATION (YES/NO)		
	B.L	03-159143			7-1991		Japan				Abstract Only		
	B.M	6-21032			1/1994		Japan				Abstract Only		
	B.N												
	B.O												
	B.P												
	B.Q												
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)													
	B.R	March Instruments, Inc., <u>TAC Technology Advancement Center</u> , Brochure, 2/1995											
	B.S	Materials Research Corporation, <u>1.12 Inline production magnetron sputtering</u> , Journal Article, 3 pages											
	B.T	Von Dr.-Ing M. Nowottnick, <u>Fraunhofer-Einrichtung fur Zuverlassigkeit und Mikrointegration (IZM), Berlin, Plasmabehandlung als umweltfreundliche Alternative in der Leiterplattenfertigung</u> , Galvanotechnik D-88348 Saulgau 86 (1995) Nr. 4; Journal Article, 6 pages											
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10/030,723

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James Scott Tyler(37) Use several sheets if necessary)
APR 22 2002
PTO-1449 (b)FILING DATE
January 11, 2002

GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	C.A	5	0	7	9	0	3	1	1/1992	Yamazaki et al.	118	729X	
	C.B	5	0	8	6	7	2	9	2/11/92	Katagiri	118	729	6/13/89
	C.C	5	1	1	6	6	4	0	5/1992	Mikami et al.	118	719X	
	C.D	5	2	1	6	2	2	3	6/1/93	Straemke	219	121.43	2/25/91
	C.E	5	2	5	9	9	4	2	11/1993	Kempf	204	298.25	
	C.F	5	2	8	6	2	9	6	2/1994	Sato	118	719	
	C.G	5	2	8	8	6	8	4	2/1994	Yamazaki et al.	118	723 E X	
	C.H	5	2	9	2	3	9	3	3/1994	Maydan	156	345	
	C.I	5	3	0	2	0	7	7	4/1994	Sato	414	609	
	C.J	5	3	0	3	6	7	1	4/19/94	Kondo et al.	118	719	
	C.K	5	3	1	0	4	1	0	5/1994	Begin	29	25.01	

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	C.L						
	C.M						
	C.N						
	C.O						
	C.P						
	C.Q						

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	C.R	
	C.S	
	C.T	

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EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	D.A	5	3	1	4	2	9	8	5/1994	Kim	414	797.9	
	D.B	5	3	4	5	0	5	6	9/6/94	Frei et al.	219	121.59	12/12/91
	D.C	5	3	8	7	2	6	5	2/1995	Kakizaki et al.	118	730X	
	D.D	5	4	3	3	3	7	1	7/18/95	Morisako	228	180.5	10/13/93
	D.E	5	4	8	0	0	5	2	1/2/96	Furr et al.	216	71	10/22/93
	D.F	5	4	9	2	2	6	5	2/20/96	Wandke	228	205	12/20/94
	D.G	5	5	1	5	9	8	6	5/1996	Turlot et al.	156	345X	
	D.H	5	5	4	2	5	5	9	8/6/96	Kawakami et al.	216	67	2/14/94
	D.I	5	5	7	3	5	9	7	11/12/96	Lantsman	118	723MP	
	D.J	5	5	7	6	6	2	9	11/19/96	Turner et al.	324	709	10/24/94
	D.K	5	5	8	7	2	0	5	12/24/96	Saito et al.	427	553	

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	D.L						
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	E.A	5	6	0	9	2	9	0	3/11/97	Bobbio et al.	228	206	4/20/95
	E.B	5	6	3	4	7	6	5	6/3/97	Miyoshi	414	786	6/7/95
	E.C	5	6	4	7	9	4	2	7/1997	Haji	156	281	
	E.D	5	7	0	7	4	8	5	1/13/98	Rolfson et al.	156	643.1	12/20/95
	E.E	5	7	6	7	0	0	8	6/1998	Haji	438	612	
	E.F	5	7	7	9	8	0	7	7/1998	Dornfest et al.	134	1.2	
	E.G	5	8	2	3	4	1	6	10/20/98	Haji	228	4.5	7/9/96
	E.H	5	9	5	8	5	1	0	9/1991	Sivaramakrishnam et al.	427	255.6	
	E.I	5	9	7	2	1	6	3	10/26/99	Haji	156	345	2/6/98
	E.J	6	0	9	3	9	0	4	7/25/00	Haji	219	121.45	7/15/98
	E.K	6	3	3	1	3	4	7	12/18/01	Haji	428	209	4/1/98

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